

Angeles, California telephone number (213) 337-6700 to discuss the steps necessary for placing the application in condition for allowance.

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Respectfully submitted,
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Version with markings to show changes made:

19. (Amended) A servo system in accordance with claim [18] 22, wherein the rate of occurrence of the bursts of servo signals at the magnetic head defines a first sampling rate for the first set of position error signals, and the means responsive to the passage of the data at the magnetic head generates a second set of error signals at a second sampling rate which is substantially greater than the first sampling rate.

22. (Amended) [A servo system in accordance with claim 18,] A servo system for positioning a magnetic head relative to a track which is movable relative to the head, the track having a succession of bursts of servo signals therealong and data signals between the bursts of servo signals, comprising the combination of:

means responsive to the passage of the bursts of servo signals at the magnetic head for generating a first set of error signals;

means responsive to the passage of the data signals at the magnetic head for generating a second set of error signals; and

means responsive to the first and second sets of error signals for applying the position error signals from the first and second sets to correct the position of the magnetic head relative to the track.

wherein the means responsive to the passage of the data signals at the magnetic head generates at least some of the second set of error signals by producing a pair of possible position error signal values in response to each sampling of the data track and processing the pair of possible position error signals values to choose one that best estimates position error of the magnetic head relative to the track.

24. (Amended) [A servo system in accordance with claim 18,] A servo system for positioning a magnetic head relative to a track which is movable relative to the head, the track having a succession of bursts of servo signals therealong and data signals between the bursts of servo signals, comprising the combination of:

means responsive to the passage of the bursts of servo signals at the magnetic head for generating a first set of error signals;

means responsive to the passage of the data signals at the magnetic head for generating a second set of error signals; and

means responsive to the first and second sets of error signals for applying the position error signals from the first and second sets to correct the position of the magnetic head relative to the track,

wherein the means responsive to the passage of the data signals at the magnetic head generates each of the second set of error signals by generating a possible error signal during each of a succession of samplings of the data track and observing any changes in sign and absolute value of the possible error signal during the succession of samplings.